

Amendments to the Specification:

*Please delete the heading before the title:*

**Description**

*Please insert the following paragraph after the title:*

**CROSS-REFERENCE TO RELATED APPLICATIONS**

This application is the National Stage of International Application No.

PCT/DE2005/000428, filed on March 10, 2005, which claims the priority to German Patent Applications Serial No. 10 2004015931.9, filed on March 31, 2004, Serial No. 2004 037020.6, filed on July 30, 2004 and Serial No. 2004 053317.2, filed on November 4, 2004. The contents of priority applications are hereby incorporated by reference in their entireties.

*Please insert the following subheading immediately prior to the paragraph on page 1 beginning "The present invention concerns...":*

**FIELD OF THE INVENTION**

*Please insert the following subheading immediately prior to the paragraph on page 1 beginning "Radiation detectors provided ...":*

**BACKGROUND OF THE INVENTION**

*Please insert the following subheading immediately prior to the paragraph on page 2 beginning "It is an object of the invention ...":*

**SUMMARY OF THE INVENTION**

*Please delete the full paragraph on page 2, which starts with "This object is achieved ..."*

*Please delete the expression "Therein:", and insert the following subheading immediately prior to the paragraph on page 11 beginning "Figure 1 shows ...":*

**BRIEF DESCRIPTION OF THE DRAWINGS**

*Please insert the following subheading immediately prior to the paragraph on page 11 beginning "Illustrated in Fig. 1, ...":*

**DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS**

*Please delete the full paragraph on page 25, which starts with " This patent application....."*

*Please amend the paragraph at page 26, which starts with "The invention is not limited .....":*

The scope of protection of the invention is not limited by the description made with reference to the exemplary embodiments. Rather, the examples given hereinabove. The invention encompasses any is embodied in each novel feature characteristic and [[any]] each combination of characteristics, which particularly includes every combination of any features, including in particular any which are stated in the claims, even if this feature or this combination of features recited in the claims, even if that feature or combination itself is not explicitly stated in the claims or exemplary embodiments in the examples.

**Amendment to the Abstract**

Delete the expression "Fig. 1" at the end of the Abstract.